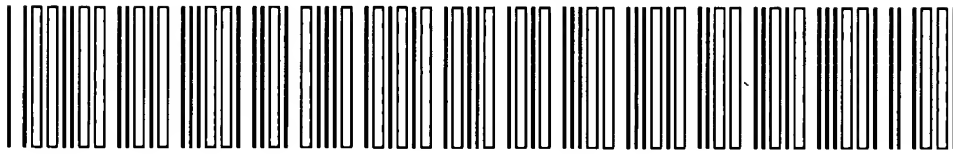


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Title: **JP10245342A2: AGENT FOR REDUCING NEURAL CELL TOXICITY OF BETA-AMYLOID PROTEIN**

Derwent Title: Agent for reducing nerve cell toxicity of beta-amyloid protein - contains tea polyphenol [\[Derwent Record\]](#)

Country: JP Japan

Kind: A

Inventor: ARAYA KAZUO;
SETO HARUO;

Assignee: MITSUI NORIN KK
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Published / Filed: 1998-09-14 / 1997-03-03

Application Number: JP1997000061761

IPC Code: Advanced: [A61K 31/35](#); [A61K 31/352](#); [A61K 31/353](#); [A61K 36/00](#); [A61K 36/18](#); [A61P 25/00](#); [A61P 25/28](#); [A61P 43/00](#); [C07D 311/62](#);
Core: [C07D 311/00](#); more...
IPC-7: [A61K 31/35](#); [A61K 35/78](#); [C07D 311/62](#);

Priority Number: 1997-03-03 JP1997000061761

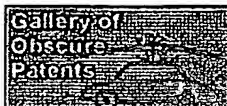
Abstract: PROBLEM TO BE SOLVED: To obtain an agent for reducing the neural cell toxicity of β -amyloid protein by using polyphenols contained in tea, especially tea catechins/ theaflavins, having storing activities for reducing the neural cell toxicity of the β -amyloid protein.

SOLUTION: The tea polyphenols used herein comprise tea catechins and theaflavins, and are used singly or in combinations. The tea catechins and theaflavins comprise a least one kind of epicatechin gallate, epigallocatechin gallate, thioflavin monogallate, theaflavin monogallate B and theaflavin digallate, and are obtained by extracting tea leaves with hot water, methanol, etc., dissolving the obtained extract solution in an organic solvent, evaporating off the organic solvent, and subsequently subjecting the residue to a high performance liquid chromatography. The agent for reducing the neural cell toxicity of the β -amyloid protein may be used singly or suitable together with auxiliary components in response to purposes.

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Family: None

Other Abstract Info: [DERABS C98-551152](#) [DERC98-551152](#)



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